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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/014,508	12/14/2001	Michiaki Sakamoto	382472/00	3588
7590 01/22/2004			EXAMINER	
McGinn & Gibb, PLLC Suite 200 8321 Old Courthouse Road Vienna, VA 22182-3817			ERDEM, FAZLI	
			ART UNIT	PAPER NUMBER
			2826	
		DATE MAILED: 01/22/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

U.S. Patent and Trademark Office

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-12 allowed.
- 2. Claims 14-16 and 18-20 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 13 and 17 rejected under 35 U.S.C. 103(a) as being unpatentable over Kataoka et al. (6,266,111) in view of Nishihara (5,764,319) further in view of Miyashita et al. (6,124,909).

Regarding Claims 13 and 17, Kataoka et al. disclose a diffuse reflection plate, manufacturing method thereof, and reflection-type display device where a photosensitive resin film is formed on a substrate. Furthermore, a resin film is patterned by photolithography into a collection of quadrilateral prisms that are arranged discretely. Individual quadrilateral prisms are then deformed so as to be undulated by performing a heat treatment. A resin film is applied to the collection of deformed quadrilateral prisms where flat gap portions between the discrete quadrilateral prisms are filled in and curved sufaces are formed. A metal film is formed on the collection of undulated quadrilateral prisms. Kataoka et al. fail to disclose the required prism/pixel configuration and the required gate/data configuration. However, Nishihara discloses

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a transmissive display device with microlenses and microprisms adjacent counter electrode where the required prism/pixel configuration is disclosed. Furthermore, Miyashita et al. disclose a color liquid crystal display device having a plurality of pixel areas which emit non-colored light where the required gate/data configuration is disclosed.

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required prism/pixel configuration and the required gate/data configuration in Kataoka et al. as taught by Nishihara and Miyashita et al. respectively in order to have a liquid crystal display device with higher performance.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (703) 305-3868. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (703) 308-6601. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Starting February 4, 2004, Examiner Fazli Erdem's phone number will be changed to (571) 272-1914 and his SPE Nathan Flynn's phone number will be changed to (571) 272-1915 Application/Control Number: 10/014,508

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